

Title (en)

MODULATORS OF BTK PROTEOLYSIS AND METHODS OF USE

Title (de)

MODULATOREN DER BTK-PROTEOLYSE UND VERFAHREN ZUR VERWENDUNG

Title (fr)

MODULATEURS DE PROTÉOLYSE DE BTK ET PROCÉDÉS D'UTILISATION

Publication

EP 3765026 A4 20211222 (EN)

Application

EP 19768264 A 20190308

Priority

- US 201862641276 P 20180310
- US 201862678157 P 20180530
- US 2019021428 W 20190308

Abstract (en)

[origin: US2019276459A1] The present disclosure relates to bifunctional compounds, which find utility as modulators of Burton's Tyrosine Kinase (BTK). In particular, the present disclosure is directed to bifunctional compounds. One end of a bifunctional compound includes a Von Hippel-Lindau, Cereblon, Inhibitors of Apoptosis Proteins, or Mouse Double-Minute Homolog 2 ligand that binds to the respective E3 ubiquitin ligase. The other end of a bifunctional compound includes a moiety that binds a target protein, such that the target protein is placed in proximity to the ubiquitin ligase to effect degradation (and inhibition) of target protein. Diseases or disorders that result from aggregation, accumulation, and/or overactivation of the target protein can be treated or prevented with compounds and compositions of the present disclosure.

IPC 8 full level

A61K 31/58 (2006.01); **A61P 5/32** (2006.01); **A61P 35/00** (2006.01); **C07D 401/14** (2006.01); **C07D 487/04** (2006.01); **C07J 43/00** (2006.01)

CPC (source: EP US)

A61K 47/10 (2013.01 - US); **A61K 47/14** (2013.01 - US); **A61K 47/545** (2017.07 - US); **A61K 47/55** (2017.07 - EP); **A61P 35/00** (2017.12 - EP); **A61P 35/02** (2017.12 - EP US); **C07D 401/14** (2013.01 - EP US); **C07D 487/04** (2013.01 - EP US)

Citation (search report)

- [XY] WO 2016169989 A1 20161027 - GLAXOSMITHKLINE IP DEV LTD [GB]
- [X] WO 2017211924 A1 20171214 - GLAXOSMITHKLINE IP DEV LTD [GB]
- [Y] WO 2008121742 A2 20081009 - PHARMACYCLICS INC [US], et al
- See references of WO 2019177902A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 11028088 B2 20210608; **US 2019276459 A1 20190912**; EP 3765026 A1 20210120; EP 3765026 A4 20211222; WO 2019177902 A1 20190919

DOCDB simple family (application)

US 201916297282 A 20190308; EP 19768264 A 20190308; US 2019021428 W 20190308